Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Journal of Contaminant Hydrology 67 (2003) 301
JOURNAL OF
Contaminant
Hydrology
www.elsevier.com/locate/jconhyd

Contents Volume 67, 2003

VOL. 67, NOS. 1–4

Sorption and mass fluxes of sulfonated naphthalene formaldehyde condensates in aquifers
S. Ruckstuhl, M.J.-F. Suter and W. Giger 1
Extensions to minimum relative entropy inversion for noisy data
T.J. Ulrych and A.D. Woodbury 13
Lattice Boltzmann model for agrochemical transport in soils
X. Zhang and L. Ren 27
The effect of multicomponent diffusion on NAPL dissolution from spherical ternary mixtures
P.P. Brahma and T.C. Harmon 43
Removal of DNAPL contamination from the saturated zone by the combined effect of vertical upward flushing and density reduction
C. Hofstee, C. Gutiérrez Ziegler, O. Trötschler and J. Braun 61
Evaluation of a conceptual model for the subsurface transport of plutonium involving surface mediated reduction of Pu(V) to Pu(IV)
R.A. Fjeld, S.M. Serkiz, P.L. McGinnis, A. Elci and D.I. Kaplan 79
Tracer diffusion from a horizontal fracture into the surrounding matrix: measurement by computed tomography
A. Polak, A.S. Grader, R. Wallach and R. Nativ 95
Air distribution in the Borden aquifer during in situ air sparging
D.W. Tomlinson, N.R. Thomson, R.L. Johnson and J.D. Redman 113
Entrapment and dissolution of DNAPLs in heterogeneous porous media
S.A. Bradford, K.M. Rathfelder, J. Lang and L.M. Abriola 133
Competitive sorption of organic contaminants in chalk
E.R. Graber and M. Borisover 159
Trimethylbenzoic acids as metabolite signatures in the biogeochemical evolution of an aquifer contaminated with jet fuel hydrocarbons
J.A. Namocatcat, J. Fang, M.J. Barcelona, A.T.O. Quibuyen and T.A. Abrajano Jr. 177
Effects of pore volume–transmissivity correlation on transport phenomena
I. Lunati, W. Kinzelbach and I. Sørensen 195
Cesium migration in Hanford sediment: a multisite cation exchange model based on laboratory transport experiments
C.I. Steefel, S. Carroll, P. Zhao and S. Roberts 219
The effect of entrapped nonaqueous phase liquids on tracer transport in heterogeneous porous media: laboratory experiments at the intermediate scale
G.R. Barth, T.H. Illangasekare and H. Rajaram 247
Inverse modeling of BTEX dissolution and biodegradation at the Bemidji, MN crude-oil spill site
H.I. Essaid, I.M. Cozzarelli, R.P. Eganhouse, W.N. Herkelrath, B.A. Bekins and G.N. Delin 269

Contents Volume 67, 2003 301

doi:10.1016/S0169-7722(03)00211-0